

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (currently amended) An order-receiving/manufacturing system for receiving an order for an oscillator having a frequency control unit and manufacturing the oscillator according to a specification required by a user, comprising:

a business center server adapted to receive, via a network from a user terminal, order data including a desired oscillation frequency and user data including a destination of said oscillator for the user, and adapted to select, among control-data writing apparatuses installed in a plurality of places, the control-data writing apparatus which comprises a power system, a data control system, and a frequency measuring system, is configured to be installed in the place most suitable for receiving the order for said oscillator based on the order data or the user data, and adapted to said order data and said user data to the selected control-data writing apparatus; and

said control-data writing apparatus adapted to generate control data from the received order data for an oscillator which oscillates in accordance with the control data written into said oscillator, and adapted to write said control data into the frequency control unit of said oscillator, and wherein order data is sent to the control-data writing apparatus directly through the network from the business center server.

2. (original) An order-receiving/manufacturing system according to claim 1, wherein:

said order data comprises marking data indicating at least one of characters, graphics, or patterns to be marked on a surface of said oscillator; and

the characters, the graphics, or the patterns are marked on the surface of said oscillator based on said marking data by a marking device disposed adjacent to said control-data writing apparatus.

3. (original) An order-receiving/manufacturing system according to claim 2, wherein:

said marking data comprises print data; and

said marking device comprises a printer.

4. (original) An order-receiving/manufacturing system according to claim 2, wherein:

said marking data comprises carving data; and

said marking device comprises a carving device.

5. (original) An order-receiving/manufacturing system according to claim 1, wherein said business center server informs a delivery date of said oscillator to a user terminal based on delivery information of the selected control-data writing apparatus.

6. (original) An order-receiving/manufacturing system according to claim 5, wherein the delivery information comprises a distance between the selected control-data writing apparatus and a destination of said oscillator, the number of oscillators prepared for said control-data writing apparatus, or delivery cost.

7. (original) An order-receiving/manufacturing system according to claim 1, wherein said business center server determines based on the order data including the oscillation frequency whether it is possible to manufacture the oscillator which generates the oscillation frequency required by the user.

8. (original) An order-receiving/manufacturing system according to claim 1, wherein said business center server comprises storage means for storing the number of oscillators into which the control data is to be written, and which are prepared for each of said control-data writing apparatuses, and said business center server performs stock management for said oscillators.

9. (original) An order-receiving/manufacturing system according to claim 1, wherein said business center server comprises storage means for sequentially storing and updating said order data and said user data, and performs customer management.

10. (original) An order-receiving/manufacturing system according to claim 1, wherein said order data comprises data including the configuration or the material of said oscillator.

11. (original) An order-receiving/manufacturing system according to claim 1, wherein said order data comprises data including a function of indicating a waveform status when said oscillator is activated to output the oscillation frequency.

12. (original) An order-receiving/manufacturing system according to claim 1, wherein said order data comprises data including a power supply voltage.

13. (original) An order-receiving/manufacturing system according to claim 1, wherein said order data comprises data including temperature frequency stability.

14. (original) An order-receiving/manufacturing system according to claim 1, wherein said order data comprises data including the number of oscillators to be ordered.

15. (previously presented) A control method for an order-receiving/manufacturing system for receiving an order for an oscillator having a frequency control unit and manufacturing the oscillator according to a specification required by a user, said control method comprising:

a step of receiving, via a network from a user terminal, order data including a desired oscillation frequency and user data including a destination of said oscillator for the user;

a step of selecting, among control-data writing apparatuses installed in a plurality of places, the control-data writing apparatus which comprises a power system, a data control system, and a frequency measuring system, is configured to be installed in the place most suitable for receiving the order for said oscillator based on said order data or said user data;

a step of sending said order data and said user data to the selected control-data writing apparatus; and

a step of generating control data from the received order data for an oscillator which oscillates in accordance with said control data written into said oscillator, and of writing said control data into the frequency control unit of said oscillator by said control-data writing apparatus,

16. (original) A control method for an order-receiving/manufacturing system according to claim 15, wherein said order data comprises marking data indicating at least one of characters, graphics, or patterns to be marked on a surface of said oscillator, and said control method comprising the step of marking the characters, the graphics, or the patterns on the surface of said oscillator based on said marking data by using a marking device disposed adjacent to said control-data writing apparatus.

17. (previously presented) A business center server for receiving, via a network from a user terminal, order data including a desired oscillation frequency and user data including a destination of an oscillator, said business center server comprising:

office-management-data storage means for storing as office management data a management area assigned to each of a plurality of offices provided with a data-control writing apparatus for generating control data from the received order data for an oscillator having a frequency control unit which controls the oscillation of the oscillator in accordance with said control data written into said oscillator, and for writing said control data into said oscillator by said control-data writing apparatus, said data control apparatus comprises a power system, a data control system, and a frequency measuring system;

office selecting means for selecting an office most suitable for receiving an order from the user terminal for said oscillator based on said user data and said office management data from a plurality of offices; and

data sending means for sending said order data and said user data to the selected office.

18. (original) A business center server according to claim 17, wherein a delivery date of said oscillator is informed to a user terminal based on delivery information of the selected office.

19. (original) A business center server according to claim 17, wherein the delivery information comprises a distance between the selected office and a destination of said oscillator, the number of oscillators prepared for said control-data writing apparatus, or delivery cost.

20. (original) A business center server according to claim 17, wherein it is determined based on said order data including said oscillation frequency whether it is possible to manufacture an oscillator which generates the oscillation frequency required by the user.

21. (original) A business center server according to claim 17, comprising storage means for storing the number of oscillators into which said control data is to be written and which are prepared for each of the offices, thereby performing stock management for said oscillators.

22. (original) A business center server according to claim 17, comprising storage means for sequentially storing and updating said order data and said user data, thereby performing customer management.

23. (previously presented) A control-data writing apparatus installed in each office and provided with a function of receiving order data via a network from a user terminal, for generating control data at least from said order data for an oscillator which oscillates in accordance with said control data written into said oscillator, and for writing said control data into said oscillator, said control-data writing apparatus being used for an oscillator which comprises:

variable capacitor means for outputting a reference signal of a reference oscillation frequency obtained by adjusting a resonance frequency of a piezoelectric resonator;

frequency control means for acquiring an output signal of an output frequency by dividing and/or multiplying the frequency of said reference signal; and

a memory for storing control data of said variable capacitor means and said frequency control means, said control-data writing apparatus including:

an oscillator connecting unit for connecting a terminal of said oscillator;

a characteristic-data generator for generating characteristic data including at least a desired oscillation frequency, which is a target frequency of said oscillator, from the received order data;

first control data generator for generating first control data in response to the order data from the user terminal for controlling said frequency control means to acquire the target oscillation frequency in relation to the reference oscillation frequency;

second control data generator for generating second control data for controlling said variable capacitor means to acquire the reference oscillation frequency in relation to the resonance frequency of said piezoelectric resonator; and

a data writing controller for writing said first control data and said second control data into said memory.

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